

Curriculum Vitae

Xu, Yuancheng

Southern University of Science and Technology

Mathematics

xuyuancheng0@gmail.com

EDUCATION

Southern University of Science and Technology, China

2016-Present

Major in Mathematics and Applied Mathematics GPA 3.94/4.00 (ranking: Overall 1/1008, Major: 1/44)

New York University

Spring, 2019

Visiting Student at the Courant Institute of Mathematical Sciences

GPA 4.00/4.00

STANDARD TESTS

TOEFL Test	106	(30 R, 28 L, 23 S, 25 W)	Aug 2018
GRE General Test	336+4.0	(166 V, 170 Q, 4.0 AW)	Sep 2017
CET-6	642		Dec 2017

RESEARCH EXPERIENCE

Prof. Christina Ramirez (Statistics)

July.8 -Sep.15,2019

UCLA-CSST Program

UCLA, Fielding School of Public Health

- **Coming soon**

Prof. Sukbin Lim's Lab (Computational Neuroscience)

June.1 – Sep.1,2018

Undergraduate Research program

NYU Shanghai, Neuroscience Department

- Using the theory of differential equations to derive conditions for persistent activity in both parametric and spatial neural networks.
- Simulation of negative derivative feedback control model that attains persistent firing rate in the absence of stimulus using high-performance computing resources.
- Investigating spike-timing dependent plasticity (STDP) rule that can lead to persistent neural activity in parametric networks.

Prof. He Bingsheng's Group (Optimization)

Feb 2018

Seminar on image processing

SUSTech, Mathematics Department

- Learning how to develop mathematical models on graph denoising and graph restoring.
- Using optimization methods such as the alternating direction method of multipliers (ADMM) algorithm to solve the established model.

TECHNICAL STRENGTHS

Computer Skills

MATLAB, Python, C, LaTeX, JAVA, Linux Shell.

AWARDS & HONORS

Outstanding Undergraduate Scholarship (First Prize, 5%)	2017, 2018
Outstanding Freshmen Scholarship	2016
National Mathematical Olympiad (National Second Prize)	2015